

Technology Ideas for Math



This handout and other links/documents are available at: <http://esu3.ishareinfo.org/pkrambeck>

1. Create a Graph at Kidzone

<http://nces.ed.gov/nceskids/createagraph/default.aspx>

The National Center for Education Statistics offers up a great on-line graphing tool that can be used by students (and teachers) of all ages. This on-line tool makes creating a graph very simple and straightforward. Users can design, print and save their graphs without learning a spreadsheet program and the cost is right—IT IS FREE!

2. Fishy Fractions

<http://www.iknowthat.com/com/L3?Area=FractionGame>

Select a Level and practice using fractions in an interactive game format. IKnowThat.com is a great web site for interactive links and educational games and this is but one you will find at the site. Unrelated to math, but worth noting is Punctuation Paintball.

3. Math Goodies

<http://www.mathgoodies.com>

A great resource for all things Math! Interactive lessons, worksheets and even homework help for K-12. More than 500 activities for students, educators and parents. Sign up for a monthly newsletter of site updates and math news!

4. The National Library of Virtual Manipulatives

<http://nlvm.usu.edu/en/nav/vlibrary.html>

If it is math manipulatives you want, then it is math manipulatives you get at this site! Students get the opportunity to manipulate objects virtually on the screen and have access both at school and home. Sponsored by Utah State University, this site offers students manipulatives without the mess.

5. Interactive Activities at Shodor:

<http://www.shodor.org/interactivate/assessments/>

6. Illuminations

<http://illuminations.nctm.org/>

The National Council of Teachers of Mathematics, (NCTM) is the host of the Illuminations, Marco Polo web site. Activities, lessons, and web links make this a “go to” spot for teachers of mathematics at all grade levels. Every unit of mathematics is supported with on-line activities, games and lesson ideas. You may pick a grade level and type in a keyword to search for activities that are appropriate for your topic and grade level. If you have never been to this web site, it is time well spent!

7. Equation Editor

Equation Editor on MS Word: Insert→Object→Microsoft Equation (If you don't have this option, someone didn't install it when the program was installed and it can be added from the install CD.

8. What's My Angle?

<http://www.amblesideprimary.com/ambleweb/mentalmaths/protractor.html>

The series of activities at this site demonstrate the use of protractors and the correct measurement of angles. If your school has an interactive whiteboard, this site would be a great one to use with students learning about angles, measurements and protractors.

9. Hippo Campus

<http://www.hippocampus.org>

This site is intended as a homework helper site for students—I am really impressed by the offerings for algebra and calculus. Students can select their course, textbook, and the page number they need assistance with and faster than you can say, “HippoCampus” an on-line tutoring session begins walking students through interactive examples that align with the lesson from their textbook.

10. Web Math

<http://www.webmath.com>

A great resource for students, this interactive web site gives step by step instructions for the problems that are submitted. Sections include: math for everyone, general math, K-8 math, algebra, plots & geometry, trig & calculus and others too numerous to mention. If you are looking for a new web site to try, this is one that was new to me.

11. The Math Playground:

<http://www.mathplayground.com/>

At the math playground web site you will find an action-packed site for elementary and middle school students where they can practice math skills, play logic games and have fun!

12. Fun Brain—

<http://www.funbrain.com/kidscenter.html>

Can you be an educator with an interest in technology without knowing about Fun Brain? Probably not, but we couldn't go without a quick mention of this web site that offers up Math Baseball, Soccer Shout Out, Power Football, Math Car Racing and What's the Point. Always expanding and always enjoyable—Fun Brain is a great site to share with students and parents in your classroom newsletters.

13. Division Bingo

http://www.bgfl.org/bgfl/custom/resources_fbp/client_fbp/ks2/maths/bingo/index.html

This web site offers students a chance to practice their division skills in a fun interactive game. From students learning their basic math facts to those needing a review of division, you'll find this “bingo game” to be one that students will revisit.

12. Linking to others at:

- **Search Delicious Bookmarks---** <http://delicious> Run a search in your area of math and find out what others are bookmarking and using for this site.
- **Search Trackstar---** <http://trackstar.4teachers.org/trackstar/>
- **e-Mint Resources:** <http://www.emints.org/ethemes/resources/S00001794.shtml> (run a search for math)
- **Teacher Tube:** <http://www.teachertube.com> Run a search for math (or be more specific)
- **Scrabble Squares Document---** This is good for the primary grades to use at centers.
- **MS Word -->VIEW-->TOOLBARS-->DRAWING:** use this to make arrows, add text, etc. and make your own drawings (don't forget about the equation editor)
- **SBG Math:** Web Site: <http://www.sbgmath.com> (elementary only)
- **Marco Polo** Web Site: <http://www.marcopolo-education.org>
- **Emints**—Search under a particular grade level. Search terms: word problems, math <http://www.emints.org/ethemes/search.shtml>
- **Math Word Computations:** http://www.cdli.ca/CITE/math_problems.htm